

# Notice of Allowability

Application No.

10/039,942

Examiner

Yuriy Semenenko

Applicant(s)

LEE ET AL.

Art Unit

2841

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/26/05.
2. ☒ The allowed claim(s) is/are 1-9 and 11-25.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance             |
|   | 9. <input type="checkbox"/> Other _____   |

**Allowable Subject Matter**

***Response to Amendment***

1. Amendment after final filed on 6/28/2005 has been entered.
  - 1.1 Amendment after final is in response to a telephone communication between SPE K. Cuneo and Applicants' representative P. Tapia on 9/26/2005.  
The Final Office Action dated 7/25/2005.
  - 1.2. Claims 1-9 and 11-25 are now pending in the application.

***Drawings***

2. Applicant's correction of Drawing, filed on 4/27/2005 accordingly with examiner's objection is acknowledged. Objection to Drawing have been withdrawn.

***Specification***

3. The Specification amendments, filed on 4/27/2005 are considered and is acknowledged. Objection to Specification have been withdrawn.

***Claims***

- 4.1. Claims objection due to informalities have been withdrawn.

***Priority***

5. The later-filed application must be an application for a patent for an invention which is also disclosed in the prior application (the parent or original nonprovisional application or provisional application); the disclosure of the invention in the parent application and in the later-filed application must be sufficient to comply with the requirements of the first paragraph of 35 U.S.C. 112. See *Transco Products, Inc. v. Performance Contracting, Inc.*, 38 F.3d 551, 32 USPQ2d 1077 (Fed. Cir. 1994).

Claim 1 of the current application 10039942 includes new limitations, – “an etched hole-fill stand-off”, “tooling plate contacting the etched hole-fill stand-off.” These features are not recited in specification of the parent nonprovisional application 09/752,629 (now Patent #6,454,154, 09/12/2002). The “etched hole-fill stand-off” and “tooling plate.” are new subject matter. Therefore, they are entitled to the filing date of the present application of 01/03/2002.

### *Response to Arguments*

6.1. Applicant's arguments with respect to claims rejection are considered and acknowledged, they are persuasive.

### *Claim Rejections*

7. Claim rejections have been withdrawn.

### *Allowed Claims*

8.1. Claims 1-9 and 11-25 are allowed.

8.2. The following is a statement of reasons for the indication of allowance:

Kawakami and Biunno would not provide the assembly as disclosed in the present application.

The etched-hole fill stand-off in the present system comprises a copper clad laminate. Kawakami does not disclose that stand-off comprises copper clad laminate having dielectric layer laminated between copper layers. Biunno also does not teach that the template 320, the air permeable layer 324, are copper clad laminate.

Limitation “comprises copper clad laminate having dielectric layer laminated between copper layers ” in combination with other claimed limitations in independent claim 1 are not disclosed or suggested by the prior art.

8.3. Rejoining and allowing claim 12-25

Claims 12-25, withdrawn from consideration pursuant to the restriction requirement, have been rejoined. They are rejoined and allowed because they contain similar allowed subject matter to the elected claims as explained in the reason for allowance.

8.4.1. Claims 2, 3, 4, 6, 8, 9 depend on claim 1. Claim 5 depends on claim 4. Claim 7 depends on claim 6. Claim 11 depends on claim 9.

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8.4.2. Claims 13, 14, 16, 18 depend on claim 12. Claim 15 depends on claim 14. Claim 17 depends on claim 16.

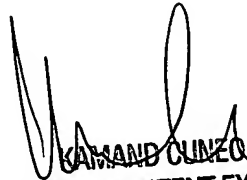
8.4.3. Claims 20, 23, 25 depend on claim 19. Claim 21 depends on claim 20. Claim 22 depends on claim 21. Claim 24 depends on claim 22.

9.1. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yuriy Semenenko whose telephone number is (571) 272-6106. The examiner can normally be reached on 8:30am - 5:00pm.

9.2. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on (571)- 272-1957. The fax phone number for the organization where this application or proceeding is assigned is 771-273-8300.

9.3. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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